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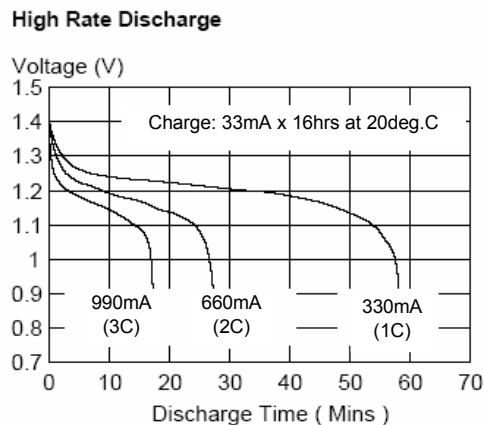
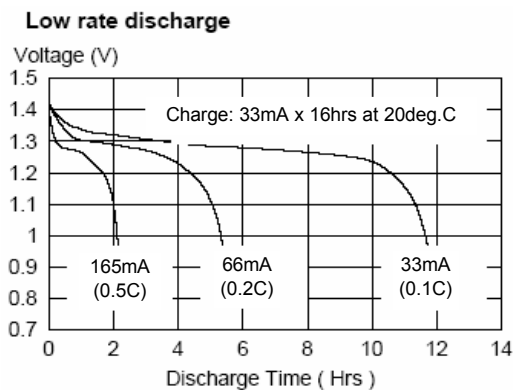
Specification for Sealed Rechargeable Nickel Metal Hydride Battery

Model: EMMERICH NIMH AKKU 1/2 AAA 280 MAH FT-1Z (255008)

Chemical System:	Nickel Metal Hydride	Ni-MH		
Type	1/2AAA	Flat Top		
Nominal Voltage	Standard	1,2 V		
Nominal Capacity	Low Rate - 0.1C	280 mAh		
Weight		6 g		
Capacity	Charge	Discharge	Minimum	
	Low Rate - 0.1C	0.1C	0.2C	280 mAh
	High Rate - 1C	0.1C	1C	290 mAh
Charging	Standard	Quick*	Fast*	
	Minimum Charge	30 mA (0.1C)	30 mA (0.1C)	30 mA (0.1C)
	Time Required (hrs)	16 hrs	16 hrs	16 hrs
	Maximum Charge	70 mA (0.2C)	170 mA (0.5C)	330 mA (1C)
	Time Required (hrs)	< 8 hrs	< 2.2 hrs	< 66 min (- Delta V)
	Minimum Overcharge	33 mA (0.1C)		
	Maximum Overcharge	660 mA with cut-off control		
Maximum Discharge Current	Continuous	0,99 A		
	Momentary (1 second)	3,3 A		
Internal Impedance	Typical at 1000Hz	80 milliohms upon fully charged		
Temperature	Storage for < 1 Month (deg.C)	Storage for < 1 Year (deg.C)		
	Minimum	-20	-10	
	Maximum	40	30	
		Discharge (deg.C)	Charge (deg.C)	
	Minimum	-20	0	
	Maximum	50	45	
Service Life	Standard (IEC61951-2)	upto 500 cycles (for reference)		
Designations	IEC 61951-2			

* Quick and Fast charge require cut-off control circuitry to terminate charge or switch to trickle charge when cell reaches full charge

Remark: The information contained herein is presented only as a guide for the applications of our products
Data in this specification are subjected to change without notice and become contractual only
after written confirmation by Emmerich.



Dimensions (mm)		
D	10,0	± 0.5
C	4,7	± 0.3
H	22,0	± 0.5
H1	0,3	(REF)

